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Maintenance

**AIRCREW TRAINING MUNITIONS
RECONCILIATION PROCEDURES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This Instruction outlines the Aircrew Training Munitions Reconciliation policies and procedures for MacDill Air Force Base (AFB) in accordance with AFI 36-2217, *Munitions Requirements for Aircrew Training*, and AFI 21-201, *Management and Maintenance of Non-Nuclear Munitions*. All units supported by the 6th Maintenance Squadron Munitions Flight will comply with this Instruction.

This is a newly established publication and should be read in its entirety.

1. Concept of Operations.

1.1. A munitions custody account has been established in accordance with AFI 36-2217 to provide organizations with training munitions to support their pilot proficiency training while deployed to MacDill AFB. The 6th Air Mobility Wing (6 AMW) Munitions Accountable Systems Officer (MASO) will ensure all required assets are requisitioned or on-hand to support the mission of the deployed unit (DU). Assets are accounted for from the time they are issued to the account custodian until expended or returned to base stockpile.

2. Responsibilities and Procedures:

2.1. Munitions Flight will:

2.1.1. Ensure all munitions personnel, while assigned or on temporary duty (TDY) to MacDill AFB use the following procedures when delivering munitions from the Munitions Storage Area (MSA), to the flight line loading areas, and back to the MSA:

2.1.1.1. Delivery personnel will notify Munitions Control of the explosive type, quantity, hazard/class division, and route to be used during the movement of explosives prior to transporting munitions to or from the flight line loading areas.

2.1.1.2. Munitions Control will notify the command post and fire department of the explosive movement and provide them with the same information as given to them from the delivery personnel.

2.1.1.3. Delivery personnel will notify Munitions Control when the movement has been terminated.

2.1.1.4. Munitions Control will notify the command post and fire department when the movement is complete.

2.1.2. Ensure reconciliation (recon) is accomplished at the end of each flying day to include Captive Air Training Missiles/Dummy Air Training Missiles (CATM/DATM), coolant tanks, and documenting of Precision Guided Missile (PGM) flight hours.

2.1.2.1. Recon will include all munitions items flown except chaff and flare.

2.1.2.1.1. Chaff/flare on aircraft will be counted every day, but a final reconciliation will be completed once all sorties have been flown and the chaff/flare mods have been downloaded. This final recon provides the most accurate count and will be accomplished before the DU departs MacDill AFB.

2.1.2.2. Do not release any munitions to the flight line until all expenditures are accounted for and recon is complete.

2.1.2.3. Recon should be accomplished within two hours of the last aircraft down time.

2.1.2.3.1. If the quantities do not agree during the initial count, the figures will be rechecked. If the TDY unit's reconciliation cannot be completed within three hours after initiation, the Munitions Officer in Charge (OIC), Flight Chief, or MASO will be contacted, and the MASO will supervise another reconciliation attempt to determine what additional actions will be taken. If all possible actions have been exhausted and expenditures and on-hand quantities cannot be reconciled, the Munitions OIC or Flight Chief may release munitions to the TDY unit with MASO approval. The munitions shift supervisor, DU weapons expeditor, and munitions account custodian will report to the MASO not later than 0830 the next day providing all paperwork concerning reconciliation to this point. If the discrepancy cannot be found, the MASO has the option to adjust the account or initiate a Report of Survey in accordance with AFI 21-201, para 21.6.

2.1.3. Ensure all safing gear and expended carts are returned to the munitions storage area at the end of each flying day.

NOTE: An empty AMMO can marked EXPENDED IMPULSE CARTS will be used for returning carts from the flight line for reconciliation.

2.1.4. Provide TDY units with assembly-lot build codes to be used with munitions-builds requiring more than one component.

2.1.4.1. Build codes will be as follows:

<u>Item</u>	<u>Code</u>
BDU-33	A-Z
MK-82	2001-2100
MK-84	4001-4100
Chaff	Tracked by dispenser #

<u>Item</u>	<u>Code</u>
Flare	Same as chaff
2.75in Rkt.	R01-R99

NOTE: Build lots for munitions other than those listed will be developed on an as needed basis.

2.2. Weapons Flight will:

2.2.1. Ensure accountability is maintained for all munitions assets released to the flight line.

2.2.1.1. Account for all munitions loaded onto aircraft by annotating quantities on AF Form 2434, **Munitions Configuration and Expenditure Document**.

2.2.2. Provide munitions personnel with a copy of AF Form 2434 during recon.

2.2.3. Maintain accountability of all munitions safing gear and turn in all excess safety devices during recon.

2.2.4. Keep accountability of all expended carts. Ensure they are turned in to munitions personnel during recon.

2.2.4.1. Carts are munitions residue and cannot be discarded until inspected by munitions personnel.

2.2.5. Maintain control of all other munitions residue (i.e., brass, etc.).

2.2.5.1. These assets will be treated as explosives until certified expended by munitions personnel.

2.2.6. Provide assistance to munitions personnel in correcting or verifying any discrepancy that might arise during recon (i.e., 20 BDU-33s expended but only 19 expended ARD863s are on hand).

2.2.7. Notify munitions personnel in writing of any changes (add-ons, drop-offs, etc.) that affect munitions requirements.

2.3. Munitions Account Custodian will:

2.3.1. Perform a final recon of chaff and flare items once all chaff/flare items are downloaded from the aircraft, and document the final expenditure count.

2.3.2. Maintain copies of all munitions expenditure paperwork in an active file until the end of the fiscal year in which the assets were expended.

2.3.3. Archive copies of expenditure paperwork until the end of the following fiscal year and then discard.

2.3.4. Inventory all account assets at the end of each TDY before units are allowed to depart the base.

2.3.5. Excess munitions items that are to remain on MacDill AFB will be turned back in to base stock within 15 days of TDY unit departure.

2.3.6. Perform inventories of chaff and flare items at the end of each unit's TDY before the unit leaves MacDill AFB.

2.4. Maintenance Operations (DU munitions personnel) will:

- 2.4.1. Use munitions build codes as provided by the Munitions Flight.
- 2.4.2. Maintain assembly paperwork for all munitions builds requiring more than one Lot-numbered munitions asset to make an AUR (all-up-round).
- 2.4.3. Turn in all build paperwork to the account custodian at the end of each duty day. ***Exception:*** A running “build log” may be maintained on chaff and flare items.
- 2.4.4. Reconcile all deliveries to and from the flight line area to ensure accountability of the munitions is maintained throughout the flying day.

DAVID M. SNYDER, Colonel, USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 21-201, *Management and Maintenance of Non-Nuclear Munitions*

AFI 36-2217, *Munitions Requirements for Aircrew Training*